

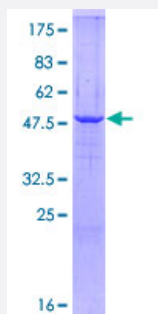
Full-Length

HSD17B10 (Human) Recombinant Protein (P01)

Catalog # H00003028-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human HSD17B10 full-length ORF (NP_004484.1, 1 a.a. - 261 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MAAACRSVKGLVAVITGGASGLGLATAERLVGQGASAVLLDLPNSGGGEAQAKKLGNNCVFAPADVTSEKDVQTALALAKGKFGFRVDVAVNCAGIAVASKTYNLKKGQHTLTLEDQFQRLDVNLMGTFNVIRLVAGEMGQNEPDQGGQRGVIINTASVAAFEGQVQQAAYSASKGGIVGMTLPIARDLAPIGIRVMTIAPGLFGTPLLTSLPEKVCNFLASQVPFPSRLGDPAEYAHVLVQAIENPFLNGEVIRLDGAIRMQP
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	53.3
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — HSD17B10

Entrez GeneID	3028
GeneBank Accession#	NM_004493.2
Protein Accession#	NP_004484.1
Gene Name	HSD17B10
Gene Alias	17b-HSD10, ABAD, CAMR, DUPXp11.22, ERAB, HADH2, HCD2, MHBD, MRPP2, MRX17, M RX31, MRXS10, SCHAD, SDR5C1
Gene Description	hydroxysteroid (17-beta) dehydrogenase 10
Omim ID	300256 300438
Gene Ontology	Hyperlink
Gene Summary	This gene encodes 3-hydroxyacyl-CoA dehydrogenase type II, a member of the short-chain dehydrogenase/reductase superfamily. The gene product is a mitochondrial protein that catalyzes the oxidation of a wide variety of fatty acids, alcohols, and steroids. The protein has been implicated in the development of Alzheimer's disease, and mutations in the gene are the cause of 2-methyl-3-hydroxybutyryl-CoA dehydrogenase deficiency (MHBD). Several alternatively spliced transcript variants have been identified, but the full-length nature of only two transcript variants has been determined. [provided by RefSeq]
Other Designations	17-beta-hydroxysteroid dehydrogenase type 10 3-hydroxy-2-methylbutyryl-CoA dehydrogenase A B-binding alcohol dehydrogenase OTTHUMP00000023348 OTTHUMP00000023349 amyloid-beta binding polypeptide amyloid-beta peptide binding alcohol dehydrogenase mental ret

Publication Reference

- [Relationship between circulating tumor-associated autoantibodies and clinical outcomes in advanced-stage NSCLC patients receiving PD-1/-L1 directed immune checkpoint inhibition.](#)

Imad Tarhoni, Connor J Wakefield, Revathi Kollipara, Mary Jo Fidler, Marta Batus, Philip Bonomi, Jeffrey A Borgia.

Journal of Immunological Methods 2021 Jan; 490:112956.

Application: Conjugation, Human, Beads, Human serum

Pathway

- [Metabolic pathways](#)
- [Valine](#)